



CINT2000 Result

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Dell
Precision WorkStation 340 (2.53 GHz P4)

SPECint_rate2000 = 10.7
SPECint_rate_base2000 = 10.4

SPEC license #: 55 | Tested by: Dell, Round Rock, TX | Test date: May-2002 | Hardware Avail: May-2002 | Software Avail: Jun-2001

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	1	147	11.0	1	146	11.1
175.vpr	1	273	5.96	1	263	6.18
176.gcc	1	103	12.4	1	103	12.4
181.mcf	1	284	7.35	1	284	7.34
186.crafty	1	117	9.95	1	116	10.0
197.parser	1	204	10.2	1	203	10.3
252.eon	1	112	13.5	1	96.5	15.6
253.perlbnk	1	155	13.5	1	155	13.5
254.gap	1	98.0	13.0	1	96.9	13.2
255.vortex	1	150	14.7	1	130	17.0
256.bzip2	1	210	8.27	1	210	8.27
300.twolf	1	402	8.65	1	402	8.65

Hardware

CPU: Intel Pentium 4 (533 MHz system bus)
CPU MHz: 2533
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 1 core/chip
CPU(s) orderable: 1
Parallel: No
Primary Cache: 12K(I) micro-ops + 8KB(D) on chip
Secondary Cache: 512KB(I+D) on chip
L3 Cache: N/A
Other Cache: N/A
Memory: 2 x 128MB PC800 ECC RDRAM
Disk Subsystem: 1 x 10GB Maxtor 7.2K ATA/100
Other Hardware:

Software

Operating System: Windows 2000 Professional (SP2)
Compiler: Intel C++ Compiler 5.0.1 (020125Z)
Microsoft Visual C++ 6.0 (SP5)
MicroQuill SmartHeap Library 5.0
File System: NTFS
System State: Default

Notes/Tuning Information

PORTABILITY FLAGS

176.gcc: -Dalloca=_alloca /F10000000
186.crafty: -DNT_i386
253.perlbnk: -DSPEC_CPU2000_NTOS -DPERLDLL /MT
254.gap: -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO

FEEDBACK-DIRECTED OPTIMIZATION

FDO: PASS1= -Qprof_gen PASS2= -Qprof_use

BASE TUNING

C: -Qipo +FDO -QxW shlw32M.lib
C++: -Qipo -QxW -GX -GR

PEAK TUNING

164.gzip: -Qipo +FDO -QxW -Oi- -Oa
175.vpr: -Qwp_ipo +FDO -QxW
176.gcc: -Qipo +FDO -QxW shlw32M.lib
181.mcf: -Qipo +FDO -QxW shlw32M.lib
186.crafty: -Qipo +FDO -QxW -Oa shlw32M.lib
197.parser: -Qipo +FDO -QxW
252.eon: -Qipo +FDO -QxW
253.perlbnk: -Qipo +FDO -QxW shlw32M.lib
254.gap: -Qipo +FDO -QaxW



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Notes/Tuning Information (Continued)

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255.vortex: -Qwp_ipo +FDO -QxW -Oa
256.bzip2:  -Qipo +FDO -QxW shlw32M.lib
300.twolf:  -Qipo +FDO -QxW shlw32M.lib
EXTRA LIBRARIES
shlw32M.lib: MicroQuill SmartHeap Library 5.0
              www.microquill.com
```